



Rhinopave®

1K Oil-modified Polyurethane paving paint

7600 - line

Description

- Single-pack Oil-modified Polyurethane Interior & Exterior paving paint for concrete surfaces.

Properties

- Simple Single-pack formula
- Tough and Durable finish
- Attractive and easily cleaned
- Resistant to marring and abrasion
- Resistant to Hot-Tyre pickup
- Easy to apply by brush, roller, conventional or airless spray

Typical Applications

- Suitable for application to both pedestrian and vehicular traffic floor areas such as Factories, Warehouses, Garages, Parking places, Flat Driveways, Paths & Steps.
- Not suitable for low porosity surfaces such as Bricks or Terracotta, Slate and Clay pavers
- Suitable for application to "Mildly-sloped" surfaces provided nonslip aggregates are incorporated in the application for slip resistance properties. Do not apply to surfaces with a gradient slope greater than 1:8.

General Data

- Weather resistance Very Good (Refer "Maintenance" section – Page 3)
- Solvent resistance Resists splashes if removed quickly
- Petrol resistance Resists splashes if removed quickly
- Oil resistance Good
- Abrasion resistance Very Good
- Heat Resistance Up to 120°C (Prolonged exposure not recommended)
- Nonslip resistance Using appropriate aggregates – Refer Technical Department for further information

Specifications (at 25°C and 50% relative humidity)

- Resin type.....Urethane Modified Alkyd resin
- Mixing Ratio.....Single component
- Typical solids content.....51% (by volume – colour dependent)
- V.O.C. content.....413 g/L
- Typical film thickness (per coat).....45 - 65 microns (dry)
85 - 125 microns (wet)
- Theoretical coverage.....8 - 12 m² / L @ 65 - 45 microns dry film thickness (dependant on porosity)
- Touch dry.....2 - 4 hours
- Light Pedestrian Traffic.....24 hours
- Light Mechanical Loading.....2 - 4 days (Premature loading may cause coating damage / failure)
- Full cure.....7 days (Will not cure at temperatures below 10°C)
- Recoating.....within 12 - 36 hours
- Sanding Properties.....Post 7 day full cure
- Gloss level.....High Semi-gloss (70% - 75%)
- Colours.....Range available (May be subject to minimum order requirement)
- Shelf life.....maximum 12 months (in cool, dry conditions)

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Surface Preparation

- **Steel trowelled concrete:** Acid etch with Phosphoric acid (10% solution in water), or light abrasive sand, grind or blast clean where appropriate.
- **Previously coated concrete:** Application of a test patch is recommended to assess compatibility, if existing coating is not completely removed – Purchaser / Applicator takes full responsibility if applied over any existing coating system.
- **NOTE - Wagon Paints recommends complete removal of existing coatings prior to recoating, to achieve adequate adhesion to the substrate.**
- Concrete must be cured for a minimum of 28 days. Remove all traces of curing membrane, release agents, oil and grease. Acid etch with a 10% solution of Phosphoric Acid or Hydrochloric Acid in water. (Alternatively, shotblast or diamond grind to remove surface laitance). Allow concrete to dry thoroughly before applying Rhinopave® product. 'Acid-etching' is not a suitable preparation technique for concrete substrates suspected of being pre-treated with 'Densifier' or 'Penetrating Sealer' type products. Preparation via mechanical abrasion of the substrate must be performed prior to application (i.e. Scabbling / Shot-blasting / Diamond-grinding) to permit maximum adhesion characteristics of the system as specified. Please refer Wagon Paints Technical Department for further information.

Mixing recommendation

- Mix the entire contents of the can before decanting
- Stir thoroughly with a broad paddle or low-speed mechanical mixer (350 RPM) to ensure even mixing
- Thin up to 15% by volume with Wagon Paints T5 Thinner (refer to "Application" section below) and stir as above

Application

- May be applied using roller, airless or low-pressure air spray equipment (Refer OH&S requirements)
- Small areas may be coated by brush (*Caution - Colour differences may occur between brush & roller application techniques*)
- Apply the Rhinopave® product as thinly as possible, as 'thicker' coats, especially applied during the warmer months, can cause bubbles to appear. If bubbling occurs, or substrate porosity is problematic, reduce with T5 thinners up to 15%. The use of "Microfibre" rollers should attenuate bubbling issues, however, please refer Wagon Paints Technical Department for further information.
- **Roller** nap size.....5 - 15 mm (Microfibre - Applicator preference)
- **Airless Spray** nozzle size.....0.33 - 0.38 mm
 nozzle pressure.....1700 - 2000 psi (14 - 17mPa)
 volume of thinner.....nil
- **Air Spray** nozzle size.....1.6 - 2.0 mm
 nozzle pressure.....45 - 60 psi (300 - 400kPa)
 volume of thinner.....0 - 10%
- **No of coats**.....2 - 3 (depending on porosity of substrate / colour selected)
- **Thinning solvent** T5 Mineral Turpentine
- **Cleaning solvent** T9 Universal Thinner / T5 Mineral Turpentine

Safety precautions

- **Refer to the relevant Safety Data Sheets (SDS)**
- Contents are flammable – keep away from all ignition sources
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles
- When spraying, ensure adequate ventilation and wear appropriate protective clothing and equipment

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Anti-slip Characteristics

If specification / contract document states that a floor must conform to a particular Australian Standard for slip resistance, then an aggregate must be added into the Rhinofloor system to impart the required non-slip “R-Ramp” or “P-Pendulum” rating. Please refer to Wagon Paints Technical Department for further information. Wagon Paints Australia, incorporating Rhinofloor Coatings, does not warrant the “Anti-slip” performance of the coating system(s), with or without aggregate, as this characteristic is out of our control. It is up to the applicator / contractor / purchaser to satisfy any “Anti-slip” regulations or standards required if applied to areas which may be hazardous to pedestrian or vehicular traffic.

Maintenance

The service life of a floor will be considerably extended if good housekeeping practices are followed. Regular cleaning of “Rhinopave” can be carried out using a mop or brush, in unison with a mild alkaline detergent. In high UV areas more frequent reapplication may be necessary. Please refer Wagon Paints Technical Department for further information.

Pack sizes

Pack size	4 litre* can	20 litre* can
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**Colour availability may be subject to minimum order requirement*

The ‘Rhinofloor’ floor-coating range has been designed / manufactured primarily to protect the concrete substrate. Please be aware that scratching, marring, colour-fading, gloss reduction, etc, will be evident, with the rate of film attack directly related to service conditions within the areas that these coatings have been applied. Wagon Paints, incorporating Rhinofloor Coatings, take no responsibility for film attack as mentioned, as these issues are a known fact inherent to all industrial floor coatings.

Authorised: J. Skangos - Technical Manager

December 2023

These technical data and recommendations are based on tests and information believed to be accurate at the time of printing. They should not be construed as containing any warranty, either expressed or implied. Users should conduct their own tests to determine final suitability of this product.

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either the quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product, as well as the data sheet, without notice.

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5 Stephenson Road, Bayswater North, Victoria 3153 Australia
Phone: 61 3 97291344 Email: sales@wagonpaints.com.au